SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE October 28, 1979

MONTHLY SEISMIC CREW COUNT (Month of October, 1979)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters continued to increase during October. The October total, 436, represents a net increase of four land crews over the previous month. According to the Society of Exploration Geophysicists which conducts the monthly survey, the October total is an increase of 103 crews and vessels in the past two years.

The October total (436) represents an increase of 1% over last month, a 17% increase over October, 1978, a 32% increase over October, 1977, a 63% increase over October, 1976, a 62% increase over October, 1975, and a gain of 36% over the same month in 1974.

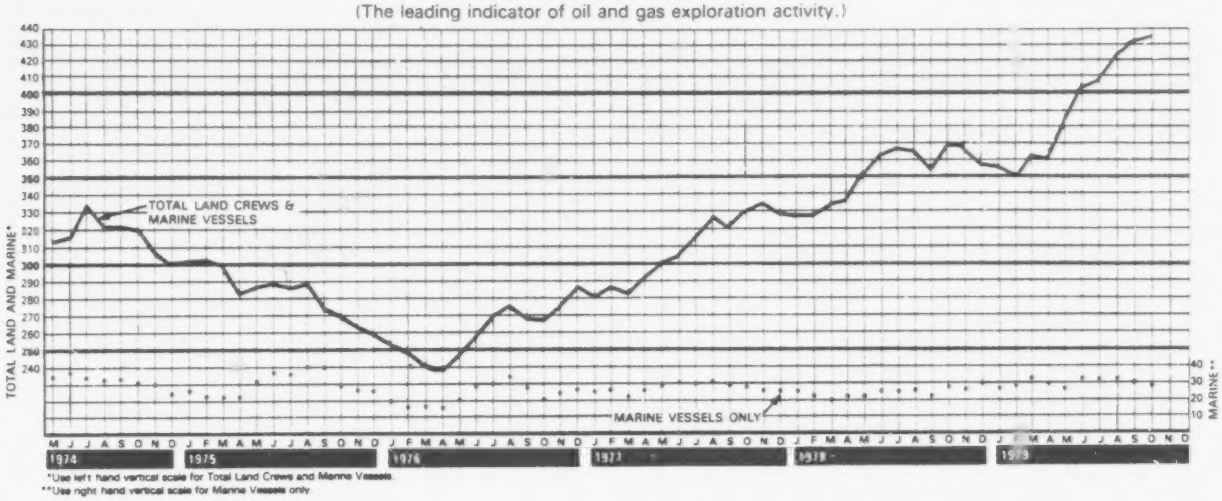
During October, five contractors were operating five land crews and one marine vessel on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 436	Last Month 433	Oct. '78 371	Oct. '77 330	Oct. '76 267	Oct. '75 270	Oct. 74 320

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Oct. '78	Oct. '77	Oct. '76	Oct. '75	Oct. '74	This Month	Last Month	Oct. '78	Oct. '77	Oct. '76	Oct. '75	Oct. '74
56 Contr's:	368	364	305	268	212	202	247	24	24	23	23	17	24	25
10 Oil Co's:	39	39	37	34	34	39	41	4	4	4	4	4	5	7
1 Gov't.:	0	0	0	0	--	--	--	1	2	2	1	--	--	--
Totals:	407	403	342	302	246	241	288	29	30	29	28	21	29	32

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

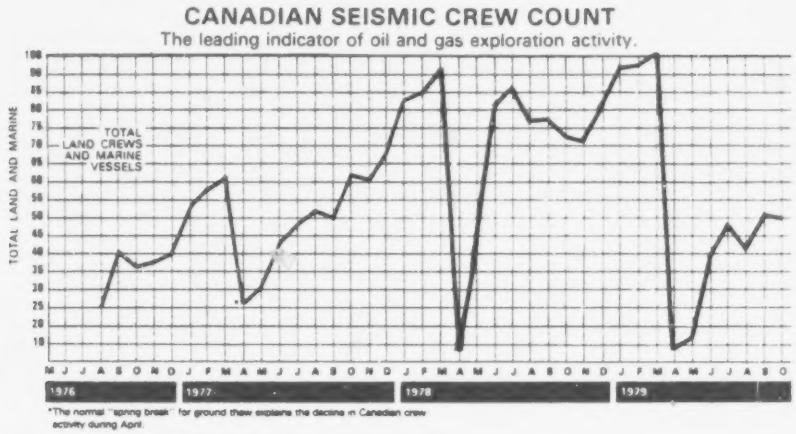


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

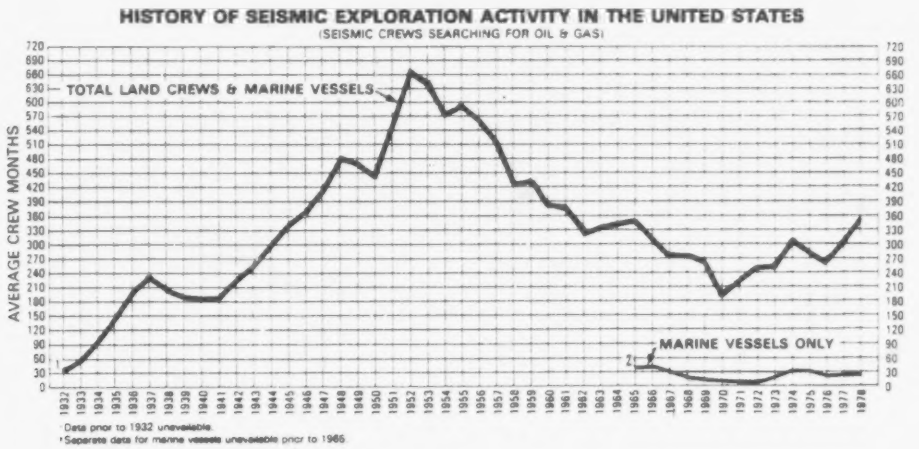
CANADIAN SEISMIC CREW COUNT

October, 1979 (September figures in parentheses)

	Land Crews	Marine Vessels
22 Contractors:	45 (45)	1 (2)
3 Oil Companies:	3 (3)	1 (1)
Totals:	48 (48)	2 (3)


CANADIAN SEISMIC CREW COUNT
The leading indicator of oil and gas exploration activity.
TOTAL LAND AND MARINE
TOTAL LAND CREWS AND MARINE VESSELS
1976
1977
1978
1979
*The normal "spring break" for ground thaw explains the decline in Canadian crew activity during April.

SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
*Data prior to 1932 unavailable.
†Separate data for marine vessels unavailable prior to 1966.

DAVID L. YOWELL
Assistant Executive Director

A99.3-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE December 11, 1979

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of November, 1979)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during November continued to increase, according to the Society of Exploration Geophysicists which conducts the monthly survey of oil companies and contractors. The total number of seismic land crews and marine vessels active domestically during November was 439, up three crews and vessels from October. The November total represents an increase of 79 crews and vessels since April.

The November total (439) represents a 1% increase over last month, a 19% increase over November, 1978, a 31% increase over November, 1977, a 63% increase over November, 1976, a 66% increase over November, 1975, and a gain of 44% over the same month in 1974.

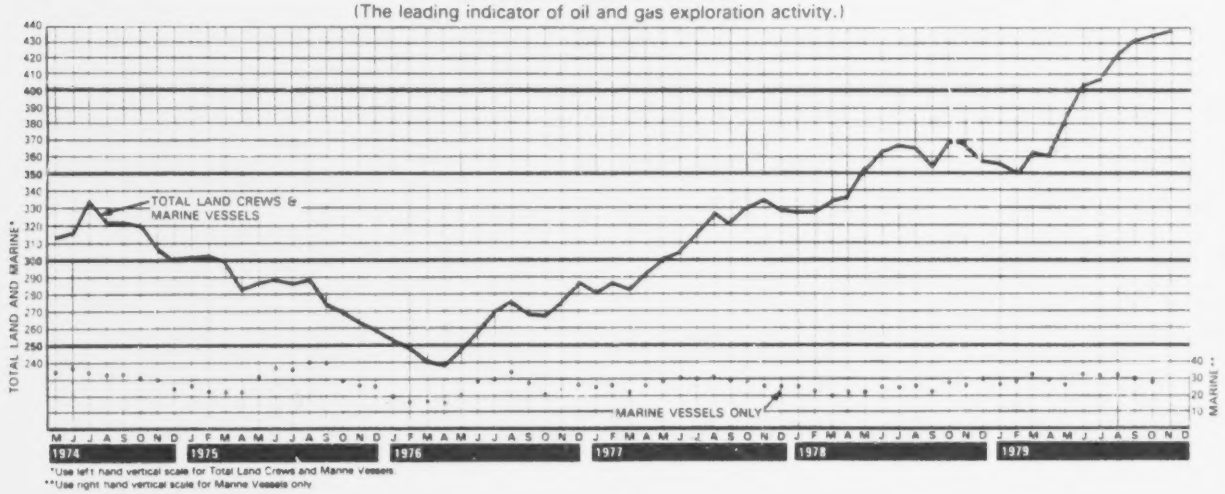
During November, three contractors were operating five of their 369 land crews and none of their 25 vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 439	Last Month 436	Nov. '78 369	Nov. '77 335	Nov. '76 275	Nov. '75 265	Nov. '74 306

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Nov. '78	Nov. '77	Nov. '76	Nov. '75	Nov. '74	This Month	Last Month	Nov. '78	Nov. '77	Nov. '76	Nov. '75	Nov. '74
55 Contr's:	369	368	304	274	216	199	234	25	24	22	21	19	22	25
10 Oil Co's:	39	39	38	35	34	39	42	4	4	5	5	6	5	5
1 Gov't.:	0	0	0	0	--	--	--	2	1	0	0	--	--	--
Totals:	408	407	342	309	250	238	276	31	29	27	26	25	27	30

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

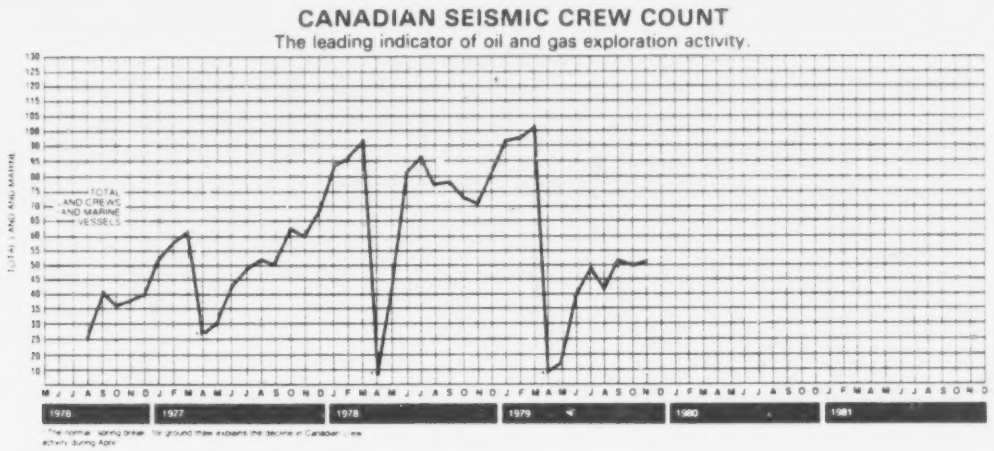


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

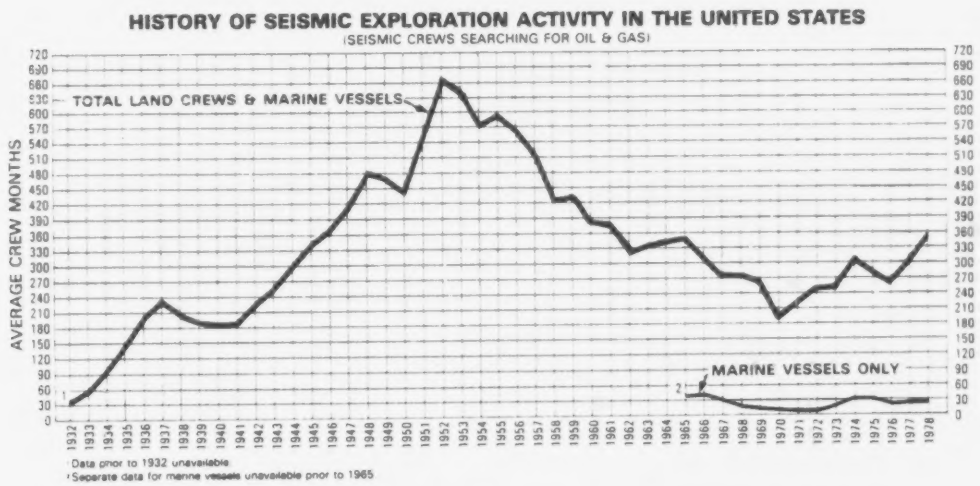
CANADIAN SEISMIC CREW COUNT

November, 1979 (October figures in parentheses)

	Land Crews	Marine Vessels
21 Contractors:	48 (45)	1 (1)
2 Oil Companies:	3 (3)	0 (1)
Totals:	51 (48)	1 (2)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS
1 Data prior to 1932 unavailable.
2 Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

January 8, 1980

MONTHLY SEISMIC CREW COUNT

(Month of December, 1979)

Seismic exploration for oil and gas in the U.S. and U.S. waters increased during the last thirty days to the highest level since early 1958, twenty-two years ago. The Society of Exploration Geophysicists which conducts the monthly survey of oil companies and contractors reported today the total number of seismic land crews and marine vessels active during December was 450, representing an increase of eleven land crews since November.

The December total (450) represents a 3% increase over last month, a 26% increase over December, 1978, a 37% increase over December, 1977, a 57% increase over December, 1976, a 74% increase over December, 1975, and a gain of 50% over the same month in 1974.

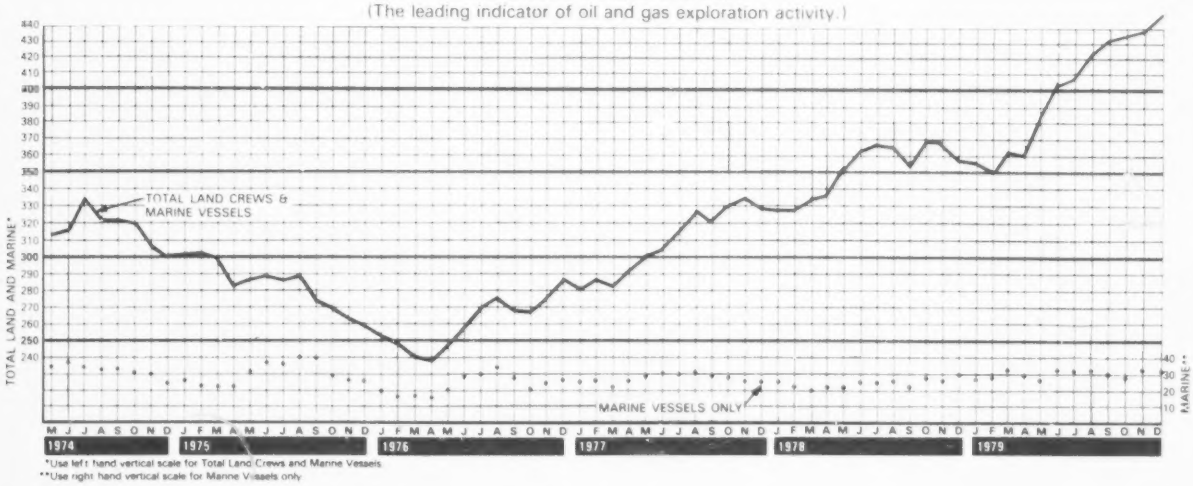
During December, five contractors were operating eight of their 380 land crews and one of their 25 vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Dec. '78	Dec. '77	Dec. '76	Dec. '75	Dec. '74
	450	439	358	329	286	259	300

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Dec. '78	Dec. '77	Dec. '76	Dec. '75	Dec. '74	This Month	Last Month	Dec. '78	Dec. '77	Dec. '76	Dec. '75	Dec. '74
56 Contr's:	380	369	290	268	225	194	234	25	25	23	21	22	20	21
10 Oil Co's:	39	39	38	35	34	39	41	4	4	7	5	5	6	4
1 Gov't.:	0	0	0	0	--	--	--	2	2	0	0	--	--	--
Totals:	419	408	328	303	259	233	275	31	31	30	26	27	26	25

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)


TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
TOTAL LAND AND MARINE*
MARINE**
M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1974
1975
1976
1977
1978
1979

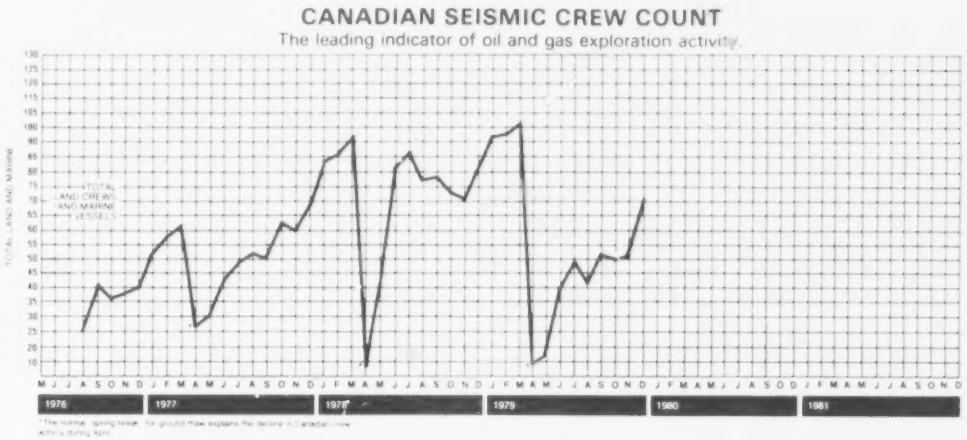
*Use left hand vertical scale for Total Land Crews and Marine Vessels.
**Use right hand vertical scale for Marine Vessels only.

*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

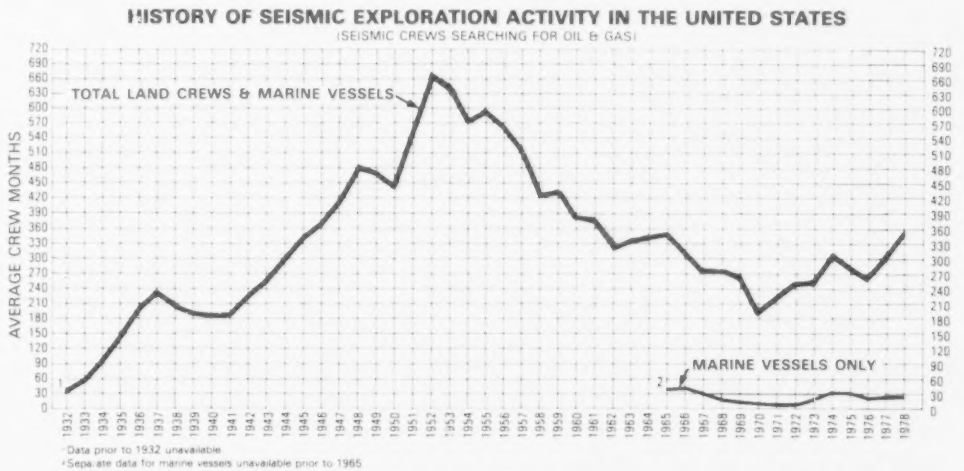
CANADIAN SEISMIC CREW COUNT

December, 1979 (November figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	67 (48)	1 (1)
2 Oil Companies:	3 (3)	0 (0)
Totals:	70 (51)	1 (1)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS
*Data prior to 1932 unavailable
†Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

February 8, 1980

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

(Month of January, 1980)

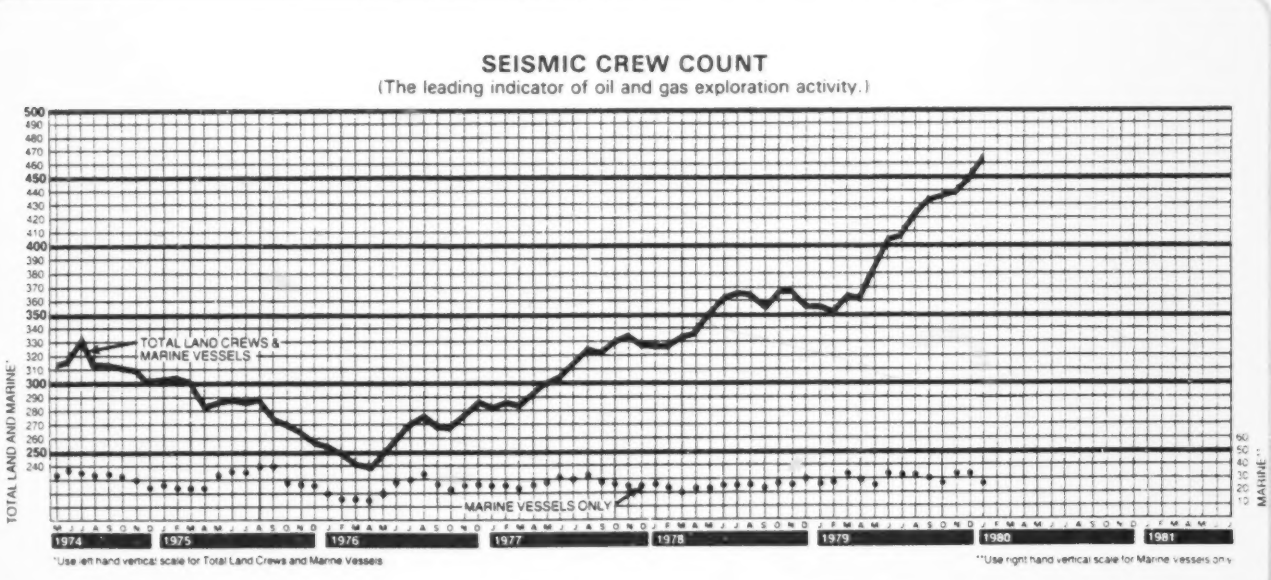
Continuing a trend which began nearly a year ago, the number of seismic land crews and marine vessels searching for oil and natural gas in the U.S. and U.S. waters increased further during January. According to the Society of Exploration Geophysicists which conducts the monthly survey, the total crew count for January (468) reflects a net increae of eighteen crews and vessels since December. The addition of eight relatively new contractors to the January survey added eleven land crews, accounting for slightly more than half of the twenty-land-crew increase since December.

The January total (468) represents a 4% increase over last month, a 32% increase over January, 1979, a 43% increase over January, 1978, a 67% increase over January, 1977, an 86% increase over January, 1976, and a gain of 55% over the same month in 1975.

During January, six contractors were operating eight of their 400 land crews and none of their twenty-four vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Jan. '79	Jan. '78	Jan. '77	Jan. '76	Jan. '75
	468	450	355	328	280	252	301

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Jan. '79	Jan. '78	Jan. '77	Jan. '76	Jan. '75	This Month	Last Month	Jan. '79	Jan. '78	Jan. '77	Jan. '76	Jan. '75
66 Contr's:	400	380	290	267	220	194	233	24	25	21	20	20	15	22
10 Oil Co's:	39	39	37	35	34	38	41	5	4	7	6	6	5	5
1 Gov't.:	0	0	0	0	--	--	--	0	2	0	0	--	--	--
Totals:	439	419	327	302	254	232	274	29	31	28	26	26	20	27

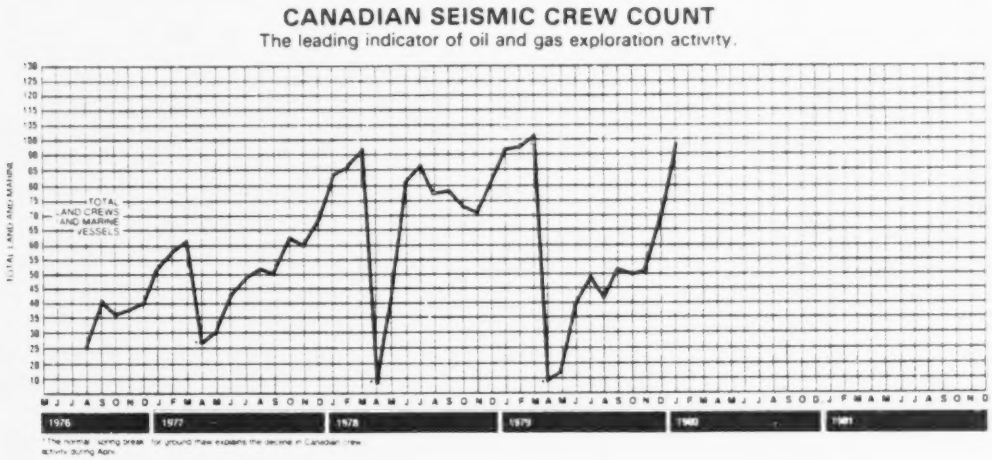


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

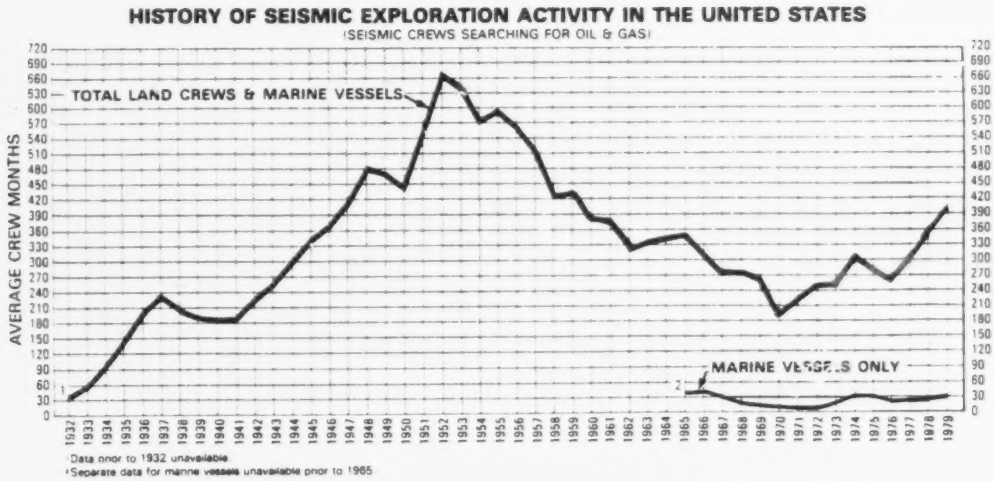
CANADIAN SEISMIC CREW COUNT

January, 1980 (December figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	95 (67)	1 (1)
2 Oil Companies:	3 (3)	0 (0)
Totals:	98 (70)	1 (1)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS
1 Data prior to 1932 unavailable
2 Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

MONTHLY SEISMIC CREW COUNT

March 10, 1980

(Month of February, 1980)

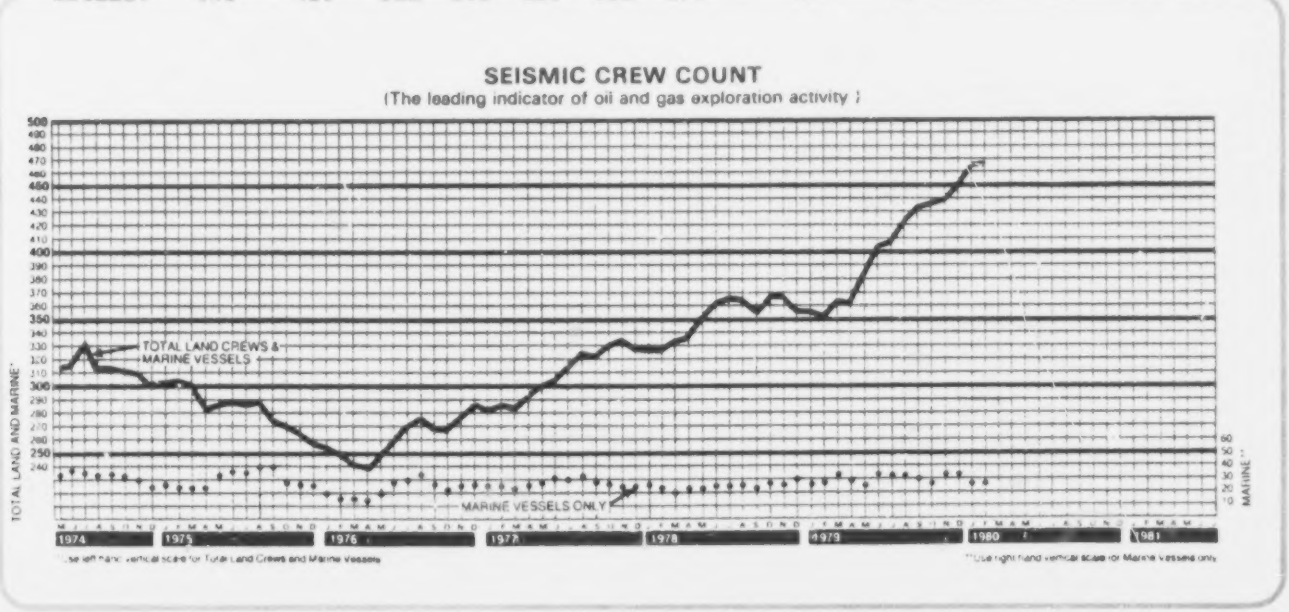
The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during February was relatively unchanged over the last thirty days, according to the Society of Exploration Geophysicists which conducts the monthly survey of oil companies and contractors. The total number of seismic land crews and marine vessels active domestically during February was 469, up one land crew from January.

The February total (469) represents an increase of one quarter of 1% over last month, a 34% increase over February, 1979, a 43% increase over February, 1978, a 64% increase over February, 1977, an 88% increase over February, 1976, and a 55% gain over the same month in 1975.

During February, five contractors were operating six of their 401 land crews and none of their twenty-four vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 469	Last Month 468	Feb. '79 350	Feb. '78 328	Feb. '77 286	Feb. '76 249	Feb. '75 302

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Feb. '79	Feb. '78	Feb. '77	Feb. '76	Feb. '75	This Month	Last Month	Feb. '79	Feb. '78	Feb. '77	Feb. '76	Feb. '75
68 Contr's:	401	400	284	270	225	194	237	24	24	22	18	21	12	20
10 Oil Co's:	39	39	37	35	34	38	41	5	5	7	5	6	5	4
1 Gov't.:	0	0	0	0	--	--	--	0	0	0	0	--	--	--
Totals:	440	439	321	305	259	232	278	29	29	29	23	27	17	24



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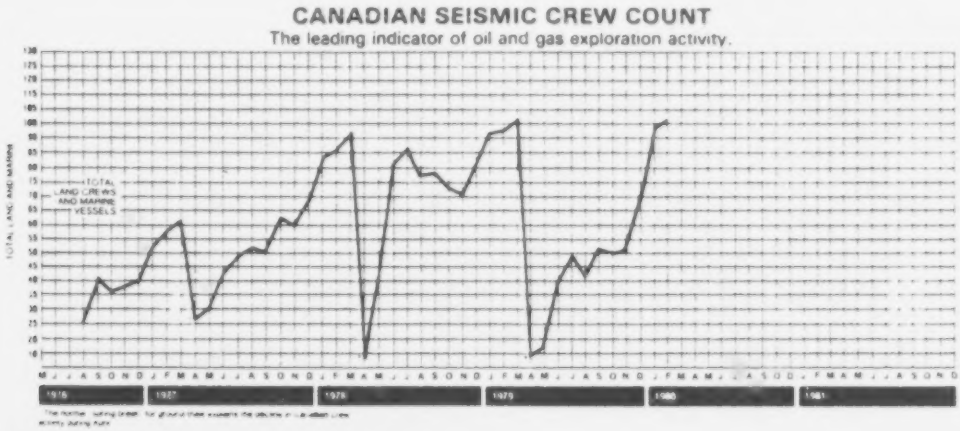
CANADIAN SEISMIC CREW COUNT

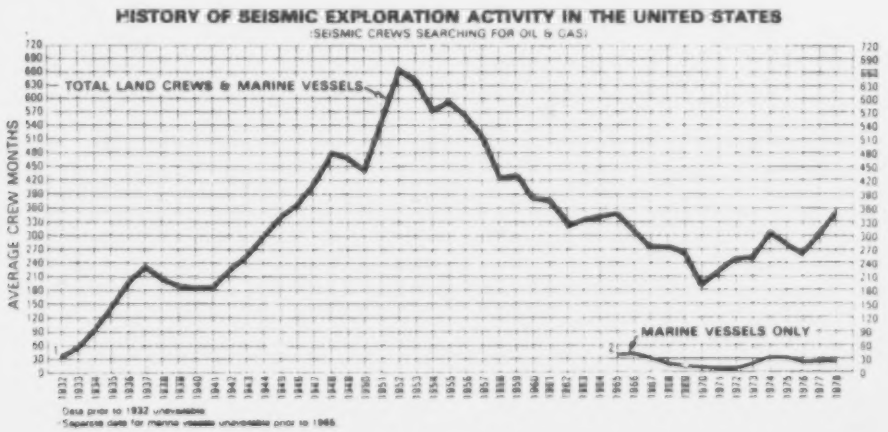
February, 1980 (January figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	98*(95)	0 (1)
2 Oil Companies:	3 (3)	0 (0)
Totals:	101 (98)	0 (1)

*Important Note: Information received just prior to release of this report appears to indicate the February Canadian land crew figure should be approximately fifteen crews higher. Additional information will be forthcoming in the March report.



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS
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DAVID L. YOWELL
Assistant Executive Director

AE912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

April 7, 1980

MONTHLY SEISMIC CREW COUNT

(Month of March, 1980)

Seismic exploration for oil and gas in the U.S. and U.S. waters registered an increase during the last thirty days, according to the Society of Exploration Geophysicists. The Society's most recent monthly survey, issued today, reported the total number of seismic land crews and marine vessels active during March was 477, up eight crews from February. The survey also indicates the current level of activity has nearly doubled in the last four years.

The March total (477) represents an increase of 2% over last month, a 31% increase over March, 1979, a 43% increase over March, 1978, a 69% increase over March, 1977, a 99% increase over March, 1976, and a gain of 60% over the same month in 1975.

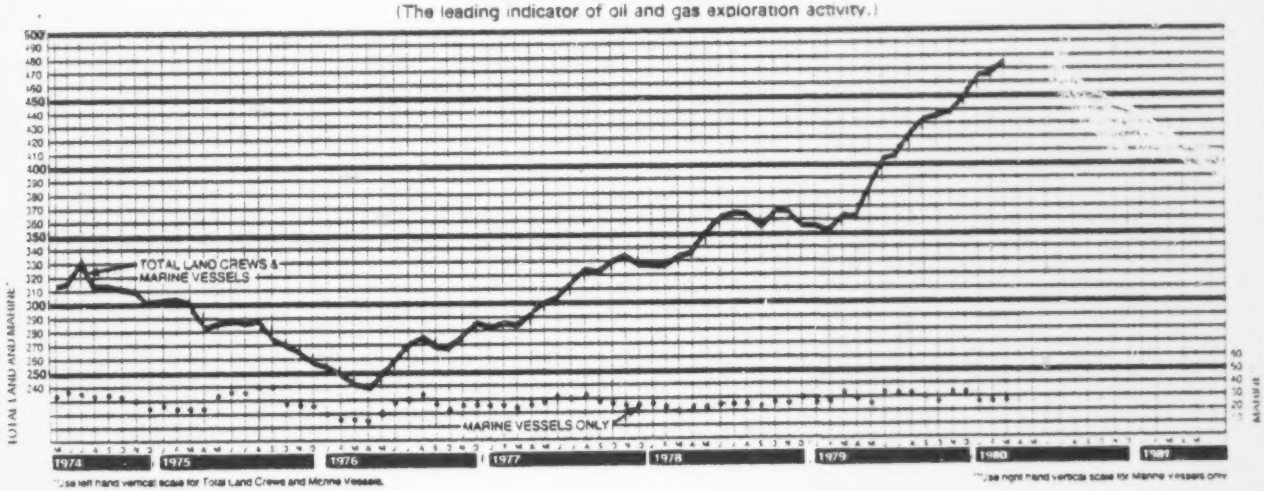
During March, four contractors were operating four of their 409 land crews and none of their twenty-three marine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Mar. '79	Mar. '78	Mar. '77	Mar. '76	Mar. '75
	477	469	364	334	282	240	299

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Mar. '79	Mar. '78	Mar. '77	Mar. '76	Mar. '75	This Month	Last Month	Mar. '79	Mar. '78	Mar. '77	Mar. '76	Mar. '75
70 Contr's:	409	401	295	278	226	184	235	23	24	24	15	17	14	18
10 Oil Co's:	39	39	37	36	34	38	41	6	5	7	5	5	4	5
1 Gov't.:	0	0	0	0	--	--	--	0	0	1	0	--	--	--
Totals:	448	440	332	314	260	222	276	29	29	32	20	22	18	23

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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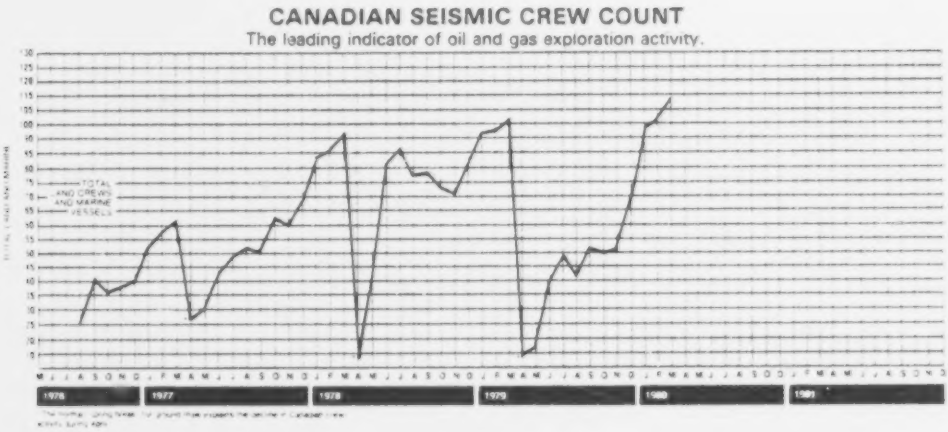
SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

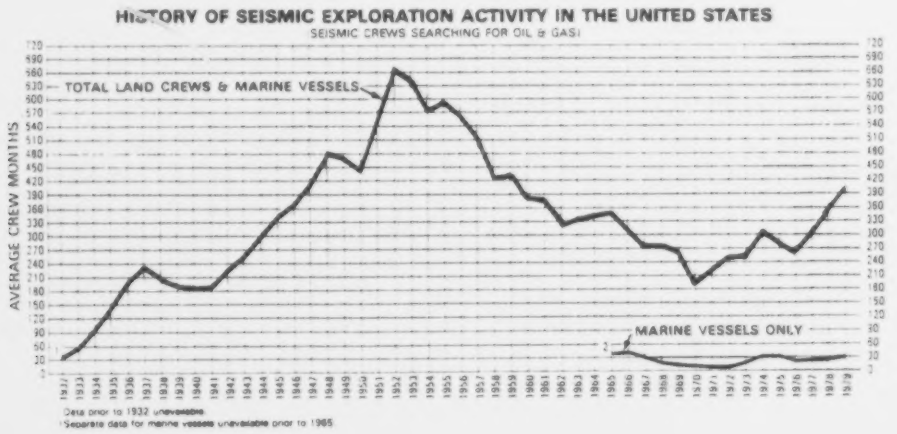
CANADIAN SEISMIC CREW COUNT

March, 1980 (February figures in parentheses)

	Land Crews	Marine Vessels
28 Contractors:	111 (98)	0 (0)
2 Oil Companies:	3 (3)	0 (0)
Totals:	114 (101)	0 (0)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
SEISMIC CREWS SEARCHING FOR OIL & GAS!
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS
Data prior to 1932 unavailable.
Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE May 13, 1980

MONTHLY SEISMIC CREW COUNT (Month of April, 1980)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during April registered one of the largest monthly increases in the last twelve months. In a report released today, the Society of Exploration Geophysicists, which conducts the monthly survey, said the April total was 496, up seventeen land crews and two marine vessels since March. The April total indicates the current level of seismic exploration activity is the highest since early 1958, more than twenty-two years ago.

The April total (496) represents an increase of 4% over last month, a 38% increase over April, 1979, a 45% increase over April, 1978, a 70% increase over April, 1977, a 108% increase over April, 1976, and a gain of 75% over the same month in 1975.

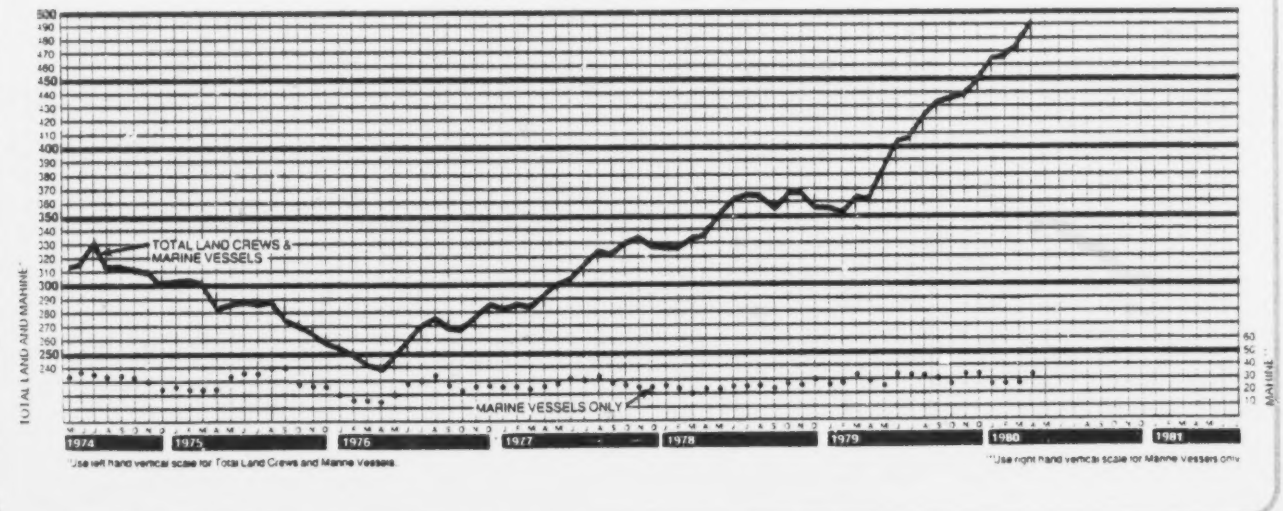
During April, seven contractors were operating nine of their 426 land crews and none of their twenty-five marine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 496	Last Month 477	Apr. '79 360	Apr. '78 342	Apr. '77 292	Apr. '76 238	Apr. '75 283

	LAND CREWS							MARINE VESSELS						
	This Month	Last Month	Apr. '79	Apr. '78	Apr. '77	Apr. '76	Apr. '75	This Month	Last Month	Apr. '79	Apr. '78	Apr. '77	Apr. '76	Apr. '75
70 Contr's:	426	409	293	285	232	183	220	25	23	22	16	21	13	18
10 Oil Co's:	39	39	37	36	34	38	40	6	6	7	5	5	4	5
1 Gov't.:	0	0	0	0	--	--	--	0	0	1	0	--	--	--
Totals:	465	448	330	321	266	221	260	31	29	30	21	26	17	23

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



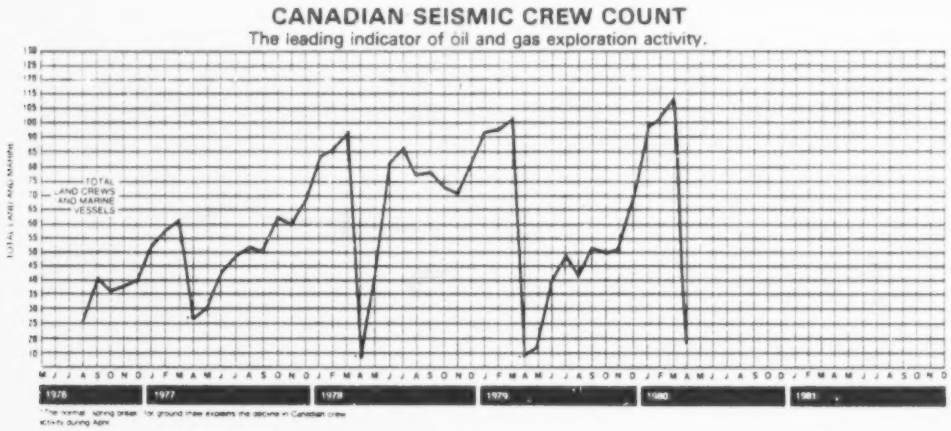
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

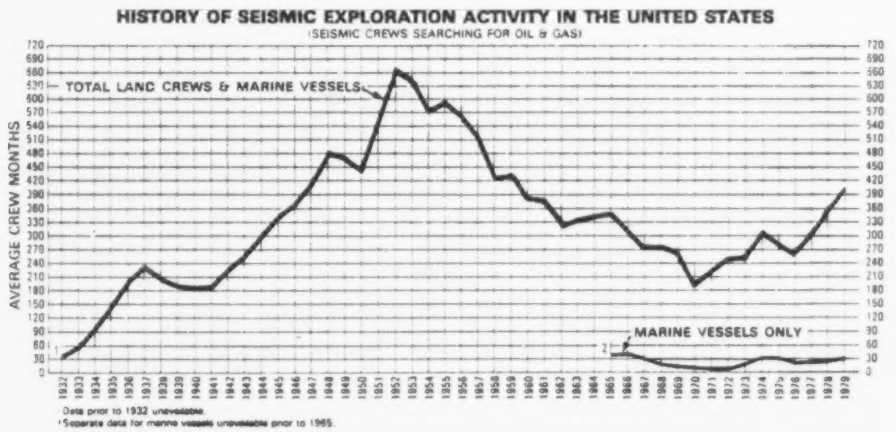
April, 1980 (March figures in parentheses)

	Land Crews	Marine Vessels
12 Contractors:	15 (111)	0 (0)
2 Oil Companies:	3 (3)	0 (0)
Totals:	18 (114)	0 (0)

Note: The normal "spring break" for ground thaw explains the decline in Canadian crew activity during April.



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
AVERAGE CREW MONTHS

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE June 9, 1980

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of May, 1980)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters continued to grow during the last thirty days, registering an increase of three land crews and three vessels since April. The Society of Exploration Geophysicists which conducts the monthly survey reported today the May total was 502, up from 496 last month. May marks the first time the total has risen above the 500 figure since late 1957.

The May total (502) represents an increase of 1% over last month, a 31% increase over May, 1979, a 43% increase over May, 1978, a 67% increase over May, 1977, a 103% increase over May, 1976, a 76% increase over May, 1975 and a gain of 60% over the same month in 1974.

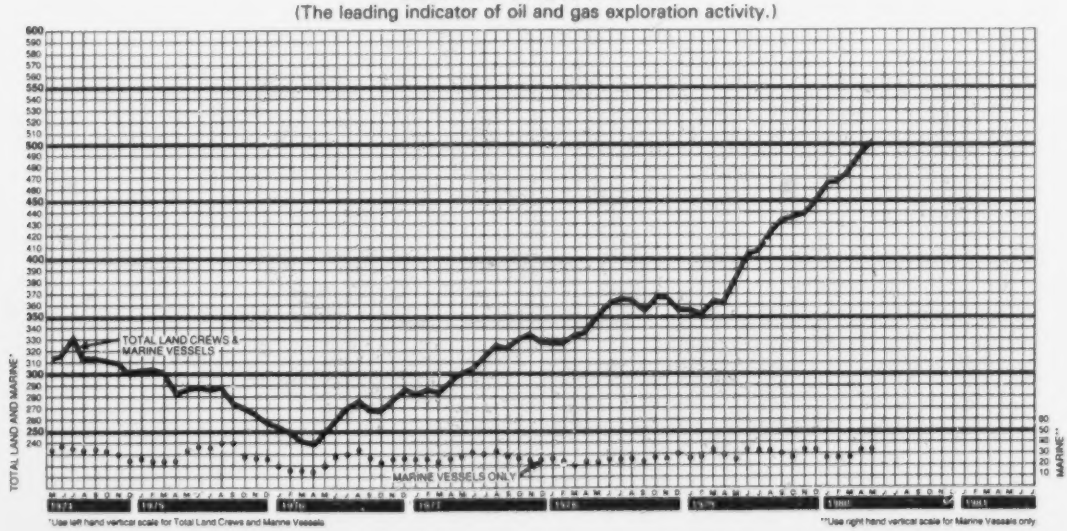
During May, five contractors were operating six of their 429 land crews and none of their twenty-eight vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	May '79	May '78	May '77	May '76	May '75	May '74
	502	496	383	351	301	247	286	313

	LAND CREWS								MARINE VESSELS							
	This Month	Last Month	May '79	May '78	May '77	May '76	May '75	May '74	This Month	Last Month	May '79	May '78	May '77	May '76	May '75	May '74
71 Contr's:	429	426	317	294	238	190	214	238	28	25	21	15	23	16	27	30
10 Oil Co's:	39	39	38	36	34	36	40	40	6	6	6	5	5	5	5	5
1 Gov't.:	0	0	0	0	0	--	--	--	0	0	1	1	1	--	--	--
Totals:	468	465	355	330	272	226	254	278	34	31	28	21	29	21	32	35

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

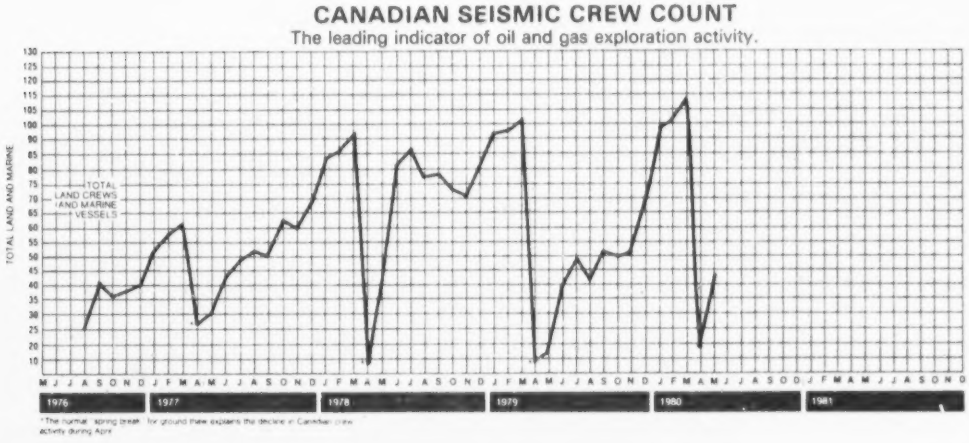

TOTAL LAND AND MARINE*
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
MARINE**
*Use left hand vertical scale for Total Land Crews and Marine Vessels
**Use right hand vertical scale for Marine Vessels only

*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

May, 1980 (April figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	39 (15)	2 (0)
3 Oil Companies:	3 (3)	0 (0)
Totals:	42 (18)	2 (0)



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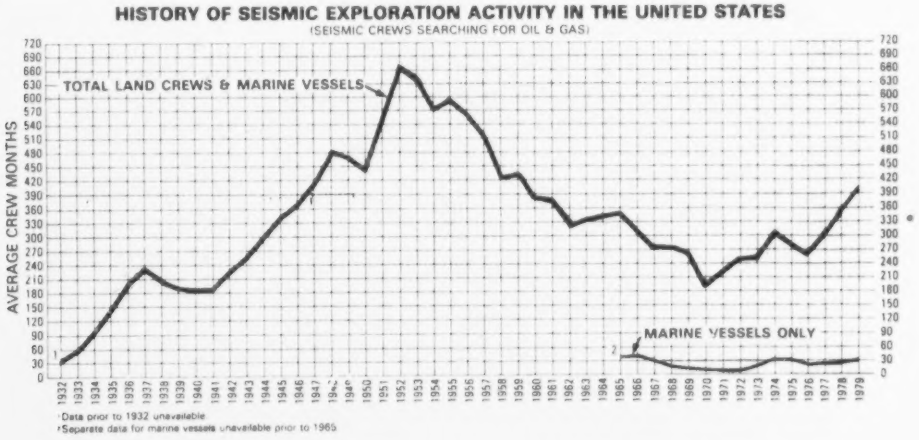

HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY

DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

July 11, 1980

MONTHLY SEISMIC CREW COUNT (Month of June, 1980)

Continuing an upswing which began in the second quarter of 1976, the total number of seismic crews and marine vessels searching for oil and gas in the U.S. and U.S. waters registered another dramatic increase during the last thirty days. The Society of Exploration Geophysicists which conducts the monthly survey reported today the June total was 535, up from the 502 recorded for May. The thirty-three crew increase is the largest recorded in a single month since the monthly survey commenced in 1974. The 535 total is the highest recorded since the third quarter of 1957.

The June total (535) represents an increase of 7% over last month, a 32% increase over June, 1979, a 48% increase over June, 1978, a 75% increase over June, 1977, a 107% increase over June, 1976, an 85% increase over June, 1975, and a gain of 69% over the same month in 1974.

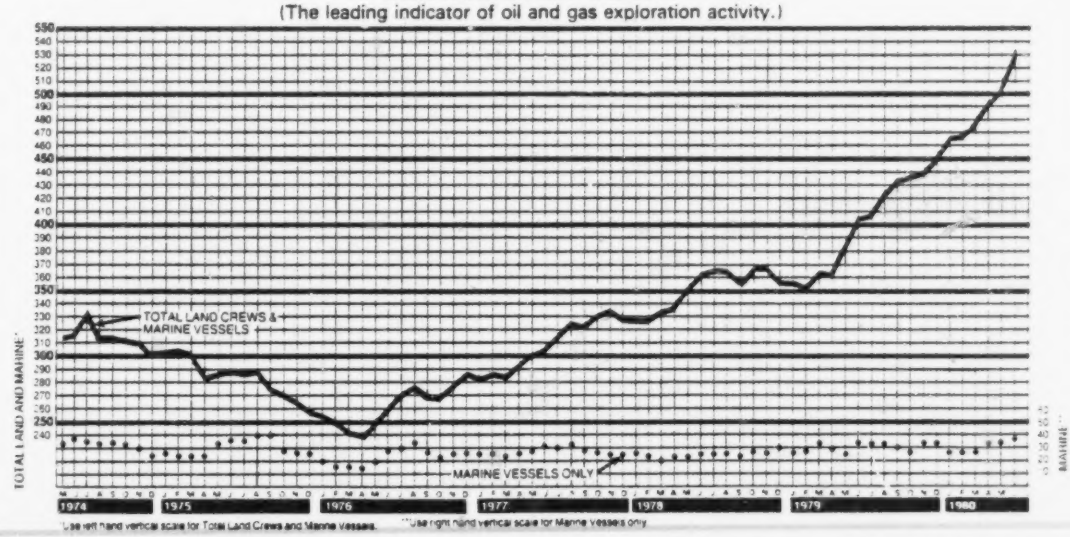
During June, five contractors were operating six of their 457 land crews and none of their thirty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	June'79	June'78	June'77	June'76	June'75	June'74
	535	502	404	362	305	258	289	317

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	June 1979	June 1978	June 1977	June 1976	June 1975	June 1974	This Mo.	Last Mo.	June 1979	June 1978	June 1977	June 1976	June 1975	June 1974
73 Contr's:	457	429	333	300	240	193	211	239	32	28	26	20	24	26	32	31
10 Oil Co's:	39	39	39	36	34	36	40	40	6	6	5	5	6	3	6	7
1 Gov't.:	0	0	0	0	0	--	--	--	1	0	1	1	1	--	--	--
Totals:	496	468	372	336	274	229	251	279	39	34	32	26	31	29	38	38

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

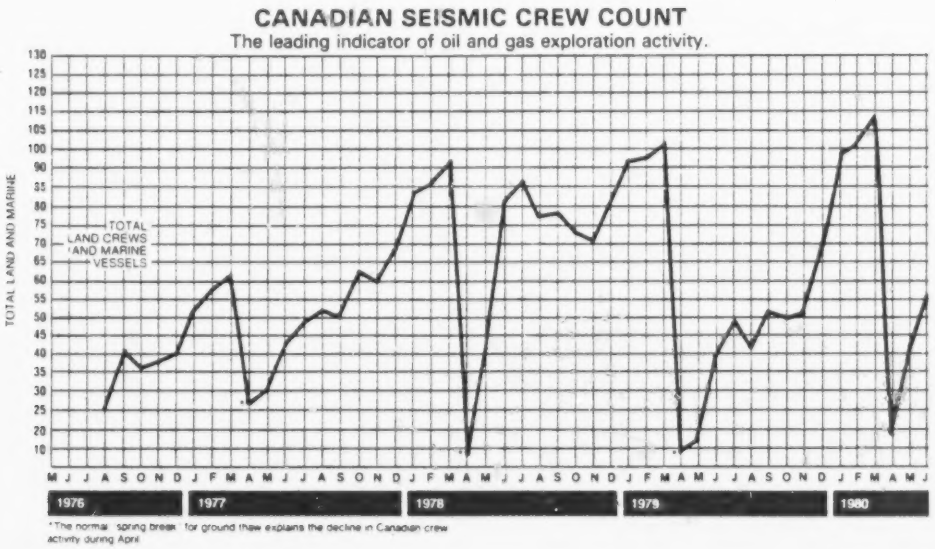


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

June, 1980 (May figures in parentheses)

	Land Crews	Marine Vessels
25 Contractors:	50 (39)	2 (2)
3 Oil Companies:	4 (3)	0 (0)
Totals:	54 (42)	2 (2)


CANADIAN SEISMIC CREW COUNT
The leading indicator of oil and gas exploration activity.
TOTAL LAND AND MARINE
TOTAL LAND CREWS AND MARINE VESSELS
1976
1977
1978
1979
1980
*The normal spring break up for ground thaw explains the decline in Canadian crew activity during April

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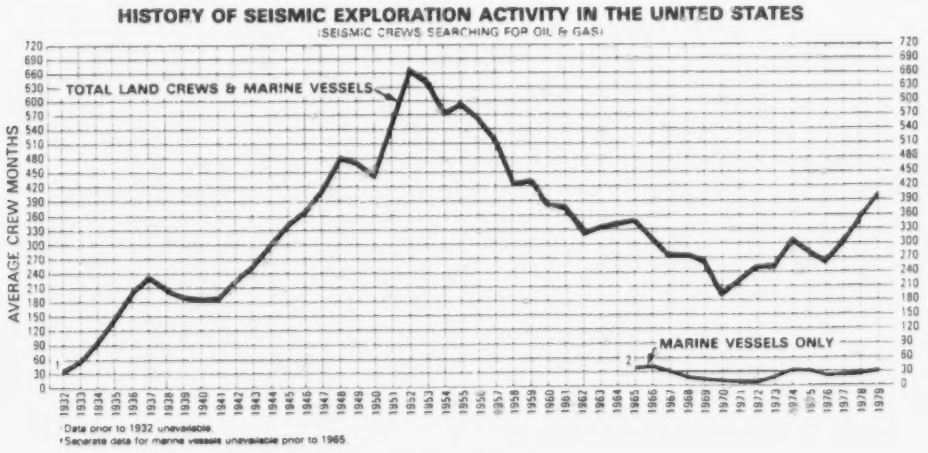

HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
Data prior to 1932 unavailable.
*Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

A 8112-1

SEG news release

Society of Exploration Geophysicists

August 6, 1980

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

MONTHLY SEISMIC CREW COUNT (Month of July, 1980)

Seismic exploration for oil and gas in the U.S. and U.S. waters registered another sizeable gain during the last thirty days according to the Society of Exploration Geophysicists. The Society's most recent monthly survey, issued today, reported the total number of seismic land crews and marine vessels active during July was 556, up twenty-one crews since June. The 556 total is the highest recorded since the fourth quarter of 1956.

The July total (556) represents an increase of 4% over last month, a 37% increase over July, 1979, a 52% increase over July, 1978, a 77% increase over July, 1977, a 106% increase over July, 1976, a 94% increase over July, 1975, and a gain of 66% over the same month in 1974.

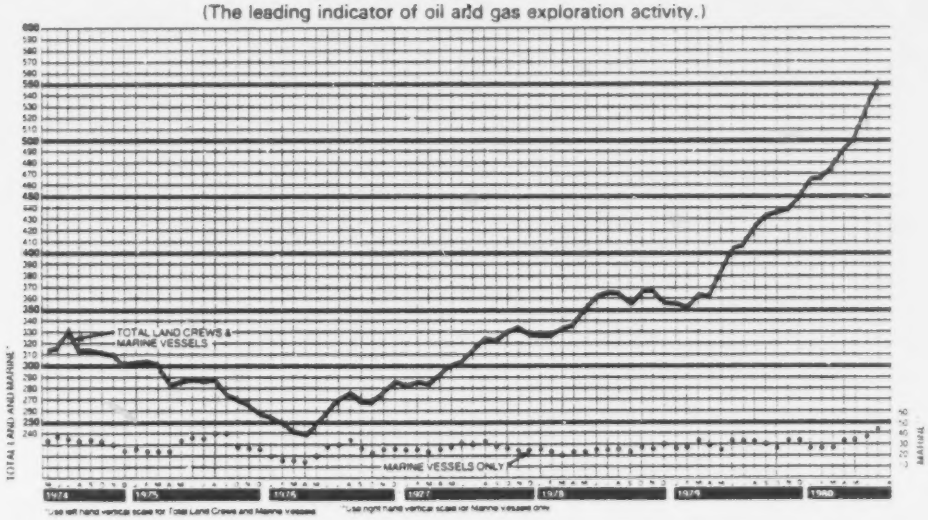
During July, six contractors were operating eight of their 475 land crews and none of their thirty-five vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	July'79	July'78	July'77	July'76	July'75	July'74
	556	535	407	367	315	270	286	334

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	July 1979	July 1978	July 1977	July 1976	July 1975	July 1974	This Mo.	Last Mo.	July 1979	July 1978	July 1977	July 1976	July 1975	July 1974
73 Contr's:	475	457	337	303	250	204	209	260	35	32	26	21	23	25	32	28
10 Oil Co's:	39	39	39	38	35	36	40	39	6	6	4	4	6	5	5	7
1 Gov't.:	0	0	0	0	0	--	--	--	1	1	1	1	1	--	--	--
Totals:	514	496	376	341	285	240	249	299	42	39	31	26	30	30	37	35

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

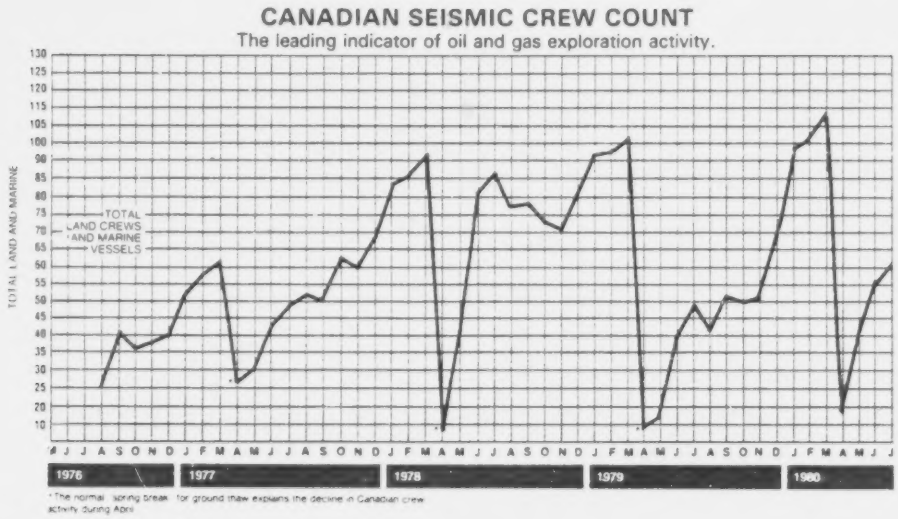


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

July, 1980 (June figures in parentheses)

	Land Crews	Marine Vessels
28 Contractors:	54 (50)	2 (2)
4 Oil Companies:	4 (4)	1 (0)
Totals:	58 (54)	3 (2)


CANADIAN SEISMIC CREW COUNT
The leading indicator of oil and gas exploration activity.
TOTAL LAND AND MARINE
TOTAL LAND CREWS AND MARINE VESSELS
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1980
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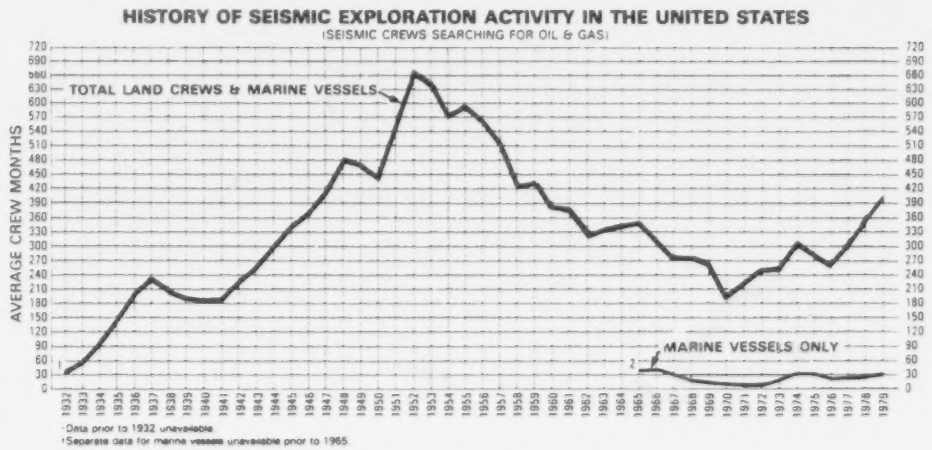

HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979
*Data prior to 1932 unavailable
†Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

A8912-1 A

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

September 8, 1980

(Month of August, 1980)

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

For the sixteenth consecutive month, seismic exploration for oil and gas in the U.S. and U.S. waters has registered an increase over the previous month. According to the Society of Exploration Geophysicists' most recent monthly survey, issued today, the number of seismic land crews and marine vessels active during August was 565, compared with 556 in July. The current level of seismic exploration activity is the highest since mid-1956.

The August total (565) represents an increase of 2% over last month, a 33% increase over August, 1979, a 55% increase over August, 1978, a 73% increase over August, 1977, a 106% increase over August, 1976, a 96% increase over August, 1975, and a gain of 76% over the same month in 1974.

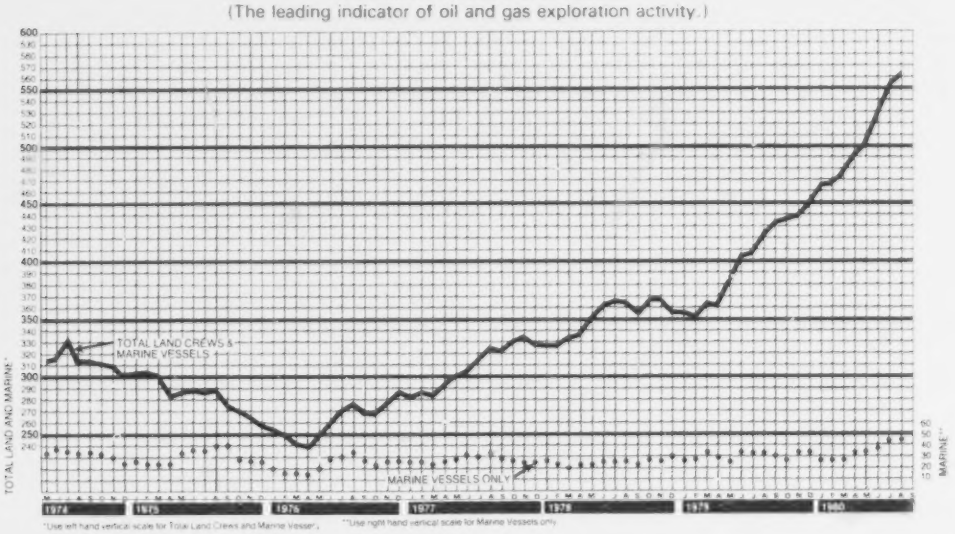
During August, seven contractors were operating nine of their 482 land crews and one of their thirty-six vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Aug.'79	Aug.'78	Aug.'77	Aug.'76	Aug.'75	Aug.'74
	565	556	424	365	326	275	289	321

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Aug. 1979	Aug. 1978	Aug. 1977	Aug. 1976	Aug. 1975	Aug. 1974	This Mo.	Last Mo.	Aug. 1979	Aug. 1978	Aug. 1977	Aug. 1976	Aug. 1975	Aug. 1974
75 Contr's:	482	475	354	301	261	208	210	247	36	35	25	22	25	28	34	27
10 Oil Co's:	39	39	39	37	34	34	39	40	7	6	5	4	5	5	6	7
1 Gov't.:	0	0	0	0	0	--	--	--	1	1	1	1	1	--	--	--
Totals:	521	514	393	338	295	242	249	287	44	42	31	27	31	33	40	34

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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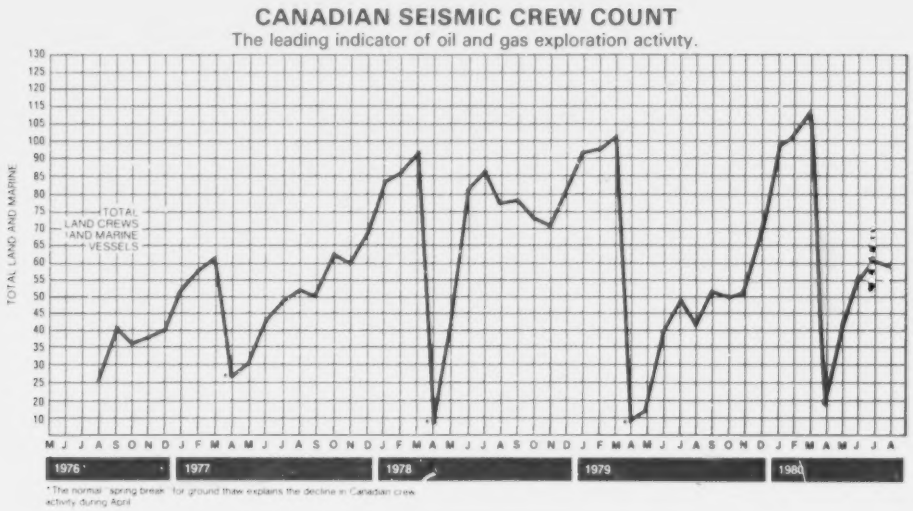
CANADIAN SEISMIC CREW COUNT

August, 1980 (July figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	49 (54)	5 (2)
4 Oil Companies:	4 (4)	1 (1)
Totals:	53 (58)	6 (3)


CANADIAN SEISMIC CREW COUNT
The leading indicator of oil and gas exploration activity.
TOTAL LAND AND MARINE
TOTAL LAND CREWS AND MARINE VESSELS
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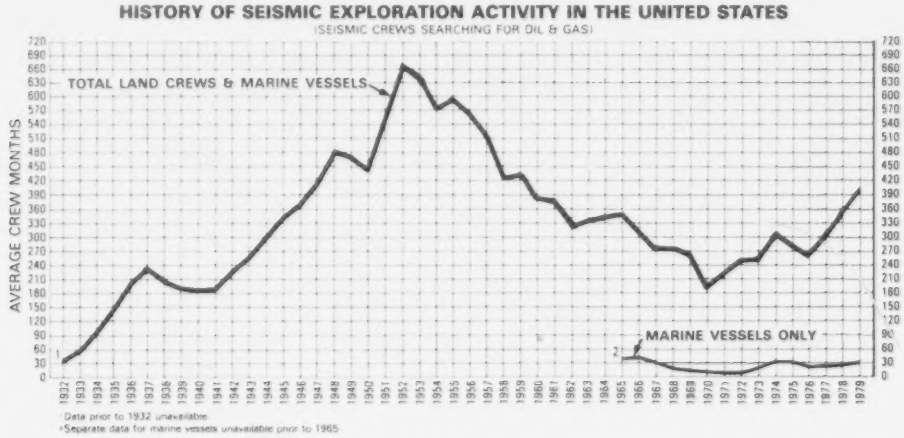

HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
1 Data prior to 1932 unavailable.
2 Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

A8912-1 A

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE October 15, 1980

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of September, 1980)

Seismic exploration for oil and gas in the U.S. and U.S. waters registered a small gain during the last thirty days, according to the Society of Exploration Geophysicists. The Society's most recent survey report, issued today, indicated the total number of seismic land crews and marine vessels active during September was 567, up two land crews since August.

The September total (567) represents an increase of less than 1% over last month, a 31% increase over September, 1979, a 63% increase over September, 1978, a 77% increase over September, 1977, a 112% increase over September, 1976, a 107% increase over September, 1975, and a gain of 77% over the same month in 1974.

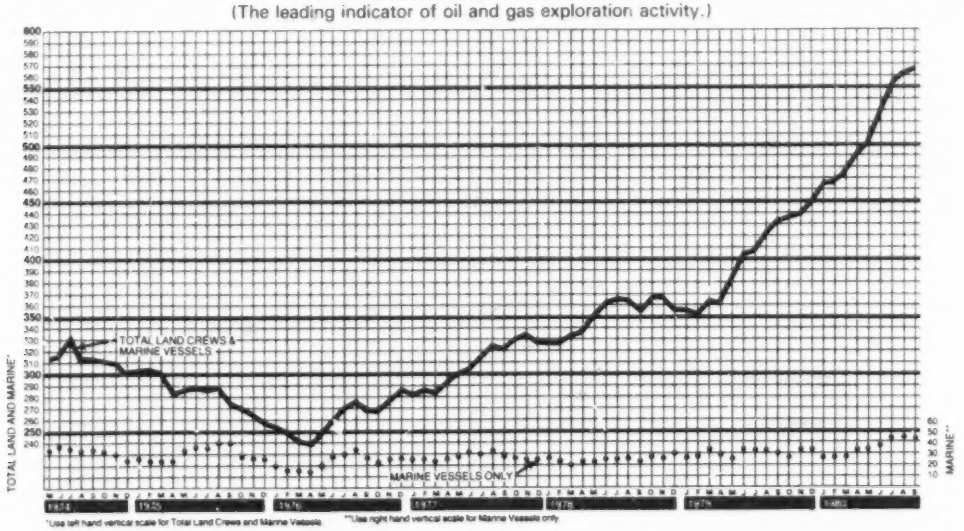
During September, seven contractors were operating eight of their 484 land crews and one of their thirty-six vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Sep.'79	Sep.'78	Sep.'77	Sep.'76	Sep.'75	Sep.'74
	567	565	433	354	320	268	274	321

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Sep. 1979	Sep. 1978	Sep. 1977	Sep. 1976	Sep. 1975	Sep. 1974	This Mo.	Last Mo.	Sep. 1979	Sep. 1978	Sep. 1977	Sep. 1976	Sep. 1975	Sep. 1974
76 Contr's:	484	482	364	297	257	206	195	246	36	36	24	17	24	23	33	27
10 Oil Co's:	39	39	39	36	34	34	39	41	7	7	4	3	4	5	7	7
1 Gov't.:	0	0	0	0	0	--	--	--	1	1	2	1	1	--	--	--
Totals:	523	521	403	333	291	240	234	287	44	44	30	21	29	28	40	34

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

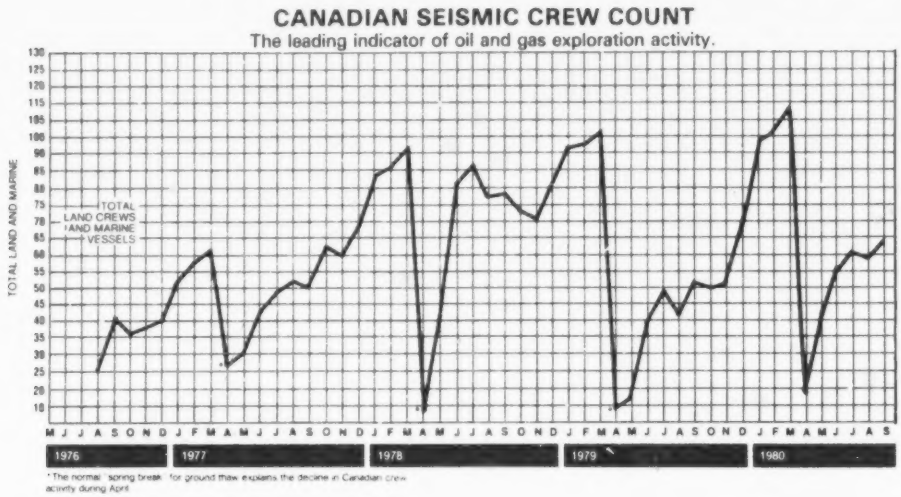


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

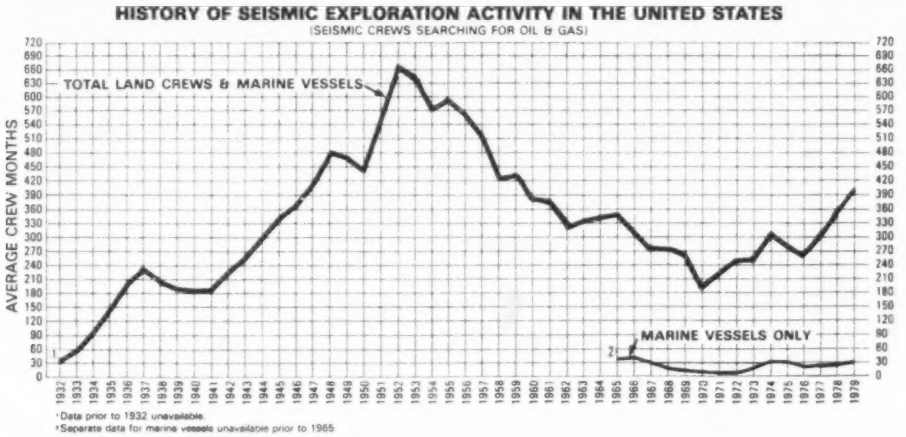
CANADIAN SEISMIC CREW COUNT

September, 1980 (August figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	54 (49)	5 (5)
4 Oil Companies:	4 (4)	1 (1)
Totals:	58 (53)	6 (6)


CANADIAN SEISMIC CREW COUNT
The leading indicator of oil and gas exploration activity.
TOTAL LAND AND MARINE
TOTAL LAND CREWS AND MARINE VESSELS
M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S
1976
1977
1978
1979
1980
*The normal "spring break" for ground thaw explains the decline in Canadian crew activity during April

SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREW MONTHS
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
1
2
*Data prior to 1932 unavailable.
†Separate data for marine vessels unavailable prior to 1965

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